MODELS

Compaq UPS T1000 XR, T1500 XR, and T2200 XR

Tower UPS "XR" Models

North America / Latin America Models
204155-001 – T1000 XR
204155-002 – T1500 XR
204451-001 – T2200 XR Low Voltage
204451-002 - T2200 XR High Voltage

Japan Models
204155-291 – T1500 XR
204451-291 – T2200 XR

International Models
204155-B31 – T1000 XR
204155-B32 – T1500 XR
204451-B31 – T2200 XR

Extended Runtime Module (ERM) Options
218967-B21 - ERM, T1000 XR
218969-B21 - ERM, T1500/T2200XR

Option Cards
192185-B21 - Six Port Card
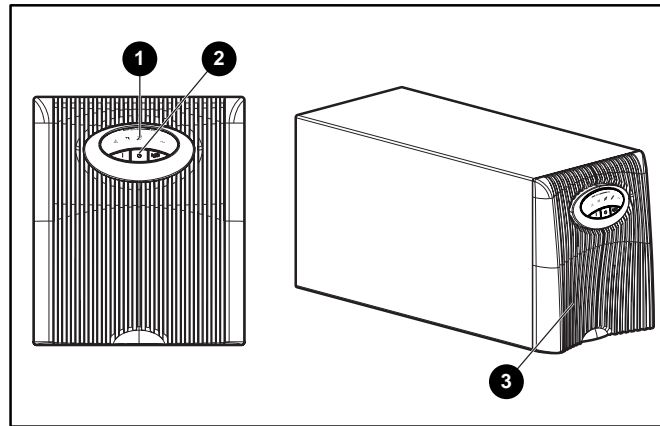*192189-B21 - SNMP/Serial Port Card*

OVERVIEW

The new Tower UPS "XR" models feature a unique design, improved and easy-to-configure front panel display, and extended run capability. The Compaq UPS "XR" models denote "e**X**tended **R**untime Capable" UPS models. Ideal for workstations up to the distributed enterprise environments, the "XR" Uninterruptible Power Systems (UPSs) are an enhancement of the current UPS products, and are an integral part of the proven family of Compaq Power Management Products.

Compaq UPSs protect your computer equipment and your critical data against damage due to inconsistent and fluctuating power. They enable you to continue working during sudden brief events of power outage, and automatically save your data, close applications, and stage a systematic shutdown during an extended power outage. Bundled with Compaq Power Management Software, the UPSs allow customers to also perform a remote shut down of applications and connected equipment if required.

KEY FEATURES

- Ease of configuration via enhanced front panel display

- Intelligent manageability with bundled Compaq Power Management software

- Greater system uptime with support for Extended Runtime Module (ERM)

- Long-term battery reliability with Compaq Enhanced Battery Management

- Hot-Swappable battery

- Enhanced system flexibility with independently controllable load segment

- One option slot that supports Compaq UPS option cards

- Backed by a limited three-year warranty, Compaq's Pre-Failure warranty, and a $25,000 load protection guarantee
  Note: Certain restrictions and exclusions apply. Consult the Compaq Computer Support Center for details. In Canada, consult the Product Information Centre at 1-888-88-COMPAQ.

COMPAQ

KEY FEATURES *(continued)*

1. LED display
2. Button controls
3. Removable front panel

PRODUCT HIGHLIGHTS

Compaq UPS Products

Compaq has developed a full-range of Uninterruptible Power Systems (UPSs) that protect and manage computer systems ranging from individual workstations to several groups of servers. Compaq UPS s are available in both tower and rack form factors.

Tower UPS "XR" Models

The UPS "XR" models are the new Compaq UPS models that support optional Extended Runtime Modules. In the Tower UPS "XR" category, Compaq offers the T1000 XR, T1500 XR and T2200 XR models. These UPSs are designed to provide maximum protection for workgroup, departmental, and enterprise server platforms.

Easy Configuration via Enhanced Front Panel Display

The new UPS models have an enhanced front panel display. LED display lights and switch membrane is integrated into the front panel that can be configured through a four button control (three buttons for UPS power control and one button under the front bezel for configuration).

Increased System Uptime with Extended Runtime Modules

The new Compaq UPS "XR" models support extended runtime modules which extend your overall runtime.

Investment Protection with Compaq Enhanced Battery Management

Compaq UPSs incorporate Enhanced Battery Management; an exclusive, patented technology that doubles battery service life, optimizes battery recharge time, and provides advance notice of pending battery failure. With Enhanced battery Management, you have a lower overall cost of ownership and receive the best in the industry protection for your critical equipment.

Enhanced System Flexibility with Compaq Option Cards

Compaq UPS "XR" models are equipped with a standard serial port via an internal slot. This slot supports two option cards; the Six Port Card and the SNMP/Serial Port Card. These option cards seamlessly integrate into the back of the UPS and provide increased system flexibility.

Intelligent Manageability

Compaq Power Management Software, an integrated component of Compaq Insight Manager, the industry-leading hardware management platform, is included with these UPS models. The Compaq Power Management Software enables you to monitor and control Compaq UPSs locally or remotely. This software is a versatile, fully configurable, alert response tool that gives system administrators a full overview of the network's conditions. It enables you to monitor system status and power conditions, configure shut down timing, customize alert messages, and perform UPS diagnostic checks quickly and easily.

Ease of Maintenance with Hot-Swappable Battery

Compaq UPSs are designed with simple access through the front panel. Users can safely install new battery without ever powering down connected computer equipment.

PRODUCT HIGHLIGHTS *(continued)*

Independently Controllable Load Segments

Compaq Tower UPS "XR" models incorporate independently controllable load segments that allow for prioritized shutdown of multiple servers. Managed through Compaq Power Management software, each individual load segment can be pre-configured by the system administrator to conduct a prioritized shutdown extending the runtime of your most critical servers. In addition, this feature promotes energy and power conservation by facilitating scheduled shutdown and startups during low usage such as weekends and holidays.

Compaq Quality

Compaq's hardware qualification is the toughest in the industry. Extensive evaluation, testing, product improvement, and an unsurpassed warranty guarantee the highest level of system protection, electrical performance, product quality and compatibility.

Warranty

Compaq UPSs are covered by a three-year, limited warranty. Also, standard on all Compaq UPS units, is our exclusive Pre-Failure Warranty, which extends the advantage of a Compaq three-year, limited warranty by applying it to the battery before it actually fails. This warranty is offered worldwide. Specifically, the Pre-Failure Battery Warranty ensures that when customers receive notification from Compaq Power Management Software that the battery may fail, the battery is replaced free of charge under the warranty.

Note: $25,000 Computer/Load Protection Guarantee is also provided, in addition to the Compaq three year, limited warranty.

SERVICE & SUPPORT, CAREPAQ AND WARRANTY INFORMATION

Warranty Upgrade Options

- Response – Upgrade on-site response from next business day to same day 4 hours
- Coverage – Extend hours of coverage from 5 days x 9 hours to 7 days x 24 hours
- Duration – Select duration of coverage for a period of 1, 3, or 5 years

CarePaq Information

For CarePaq (hardware & software) information, as well as orderable part numbers, please refer to the URL listed below:
http://www.compaq.com/services/carepaq/index.html. Note: This Web site is available in English only.

UPS T1000 XR MODEL SELECTION MATRIX

Part Number	Operating Voltage Settings	Power Out (VA/ Watts)	Input Connection	Output Connection	Load Segments
Low-Voltage Models					
T1000 XR, NA 204155-001	120V	1000/700	5-15P	(6)5-15R	2
	Note: Part Number 204155-001 is user selectable for 110V, or 120V via front panel.				
High-Voltage Models					
T1000 XR, INTL 204155-B31	230V	1000/700	IEC 320 C14 input connector	(6) IEC 320 C13	2
	Note: Part Number 204155-B31 is user selectable for 220V, 230V, or 240V via front panel.				
Extended Runtime Module Option					
ERM, T1000 XR 218967-B21	Shipping Dimensions	Shipping Weight			
	14.50 x 22.0 x 25.0 in / 368 x 559 x 635 mm	77 lbs / 35 kg			
UPS T1000 XR Kit Contents	Compaq UPS T1000 XR Compaq Power Management Software CD Power Products Documentation CD 6' UPS to computer interface cable (The International model includes 2 IEC to IEC power cords in addition to the above)				
Unit Dimensions (WxHxD)	6.37 x 9.50 x 16.2 in / 161 x 241 x 411 mm				
Shipping Dimensions	14.50 x 22.0 x 21.0 in / 368 x 558 x 533 mm				
Unit Weight	34.45 lbs / 15.62 kg				
Shipping Weight	43 lbs / 19.5 kg				

UPS T1500 XR MODEL SELECTION MATRIX

Part Number	Operating Voltage Settings	Power Out (VA/ Watts)	Input Connection	Output Connection	Load Segments
Low-Voltage Models					
T1500 XR, NA 204155-002	120V	1440/1050	Attached 6′ power cord with NEMA 5-15P	(6) 5-15R	2
T1500 XR, JPN 204155-291	100V	1500/1050	Attached 6′ power cord with NEMA 5-20P	(6) 5-20R	2
	Note: Part Number 204155-002 is user selectable for 110V, or 120V via front panel.				
High-Voltage Models					
T1500 XR, INTL 204155-B32	230V	1500/1050	IEC 320 C14 input connector	(6) IEC 320 C13	2
	Note: Part Number 204155-B32 is user selectable for 220V, 230V, or 240V via front panel.				
Extended Runtime Module Option					
ERM, T1500/T2200 XR 218969-B21	Shipping Dimensions 14.50 x 22.0 x 25.0 in / 368 x 559 x 635 mm	Shipping Weight 77 lbs / 35 kg			
UPS T1500 XR Kit Contents		Compaq UPS T1500 XR Compaq Power Management Software CD Power Products Documentation CD 6′ UPS to computer interface cable (The International model includes 2 IEC to IEC power cords in addition to the above)			
Unit Dimensions (WxHxD)		6.37 x 9.5 x 18.2 in / 161 x 241 x 462 mm			
Shipping Dimensions		14.5 x 22.0 x 25.0 in / 368 x 558 x 635 mm			
Unit Weight		54.8 lbs / 24.8 kg			
Shipping Weight		61 lbs / 27.6 kg			

UPS T2200 XR MODEL SELECTION MATRIX

Part Number	Operating Voltage Settings	Power Out (VA/ Watts)	Input Connection	Output Connection	Load Segments
Low-Voltage Models					
T2200 XR, NA-Low 204451-001	120V	1920/1600	Attached 6′ power cord with NEMA 5-20P	(6) 5-15R & (2) 5-20R	3
T2200 XR, JPN 204451-291	100V	2200/1600	Attached 6′ power cord with NEMA 5-30P	(6) 5-15R & (2) 5-20R	3
	Note: Part Number 204451-001 is user selectable for 110V, or 120V via front panel.				
High-Voltage Models					
T2200 XR, INTL 204451-B31	230V	2200/1600	IEC 320 C14 input connector	(9) IEC 320 C13	3
T2200 XR, NA-High 204451-002	208V	2080/1600	IEC 320 C14 input connector	(9) IEC 320 C13	3
	Note: Part Number 204451-B31 is user selectable for 220V, 230V, or 240V via front panel.				
	Note: For UPS part number 204451-002, a NEMA 6-15P input power cord is provided.				
Extended Runtime Module Option					
ERM, T1500/T2200 XR 218969-B21	Shipping Dimensions 14.50 x 22.0 x 25.0 in / 368 x 559 x 635 mm	Shipping Weight 77 lbs / 35 kg			
UPS T2200 XR Kit Contents		Compaq UPS T2200 XR Compaq Power Management Software CD Power Products Documentation CD 6′ UPS to computer interface cable (The International model includes 2 IEC to IEC power cords in addition to the above)			
Unit Dimensions (WxHxD)		8.1 x 9.5 x 18.8 in /205 x 241 x 477 mm			
Shipping Dimensions		15.5 x 20.5 x 26.0 in / 393 x 520 x 660 mm			
Unit Weight		70 lbs / 31.7 kg			
Shipping Weight		80 lbs / 36.2 kg			

COMPAQ UPS T1000 XR, T1500 XR, AND T2200 XR SPECIFICATIONS

Electrical Input	Voltage Range	100, 120, 208 and 230V models. See Model Selection Matrix for nominal and user selectable voltage settings
	Frequency	50 / 60 Hz
	Connections	See Model Selection Matrix
	Online Efficiency	95%
	Surge Suppression	High Energy 6500A peak
Electrical Output	Online Regulation	−30% to +20% of nominal voltage
	On battery Regulation	±5% of nominal voltage
	Voltage Wave Form	Sine wave
	Connections	See Model Selection Matrix
	Output Protection	Re-settable circuit protectors
Battery	Type	Maintenance-free, sealed, valve-regulated lead acid (VRLA)
	Recharge Time	<3 hours to 90% usable capacity; <24 hours for complete recharge
Communications	Serial Ports	Standard communication port (ships with communication cable)
	LED Indicators	(11) LED status display with On Line,On Battery,Replace Battery,Overload Indicator, 76% to100% load, 51%to 75% load, 26% to 50% load,0% to 25% load,Site Wiring Fault Indicator, General Alarm and Configure Mode On; (4) push button switches for On/Off, Alarm, Standby(turn output segments off), and Configure button
Environmental and Safety	Operating Temperature	50° to 104°F / 10° to 40°C
	Transit and Storage Temperature	5° to 131°F / −15° to 55°C
	Humidity (Operation)	20% to 80% (non-condensing)
	Humidity (Non-operating)	5% to 95%
	Operating Altitude	Up to 6,562 ft / 2000m above sea level
	Transit and Storage Altitude	Up to 30,000 ft / 9,144m above sea level
	Audible Noise	Less than 53 dBA
	Safety Markings	FCS, UL, CSA, VDE, NEMKO, FIMKO, DEMKO, SEMKO, NOM
	Safety Certifications	UL1778; CSA22.2
	EMC Markings	FCC; CISPR; VCCI; CE
	Emissions	FCC CFR 47, Part 15 Class A, EN50091-2
	Immunity	IEC 801-2, IEC 801-3, IEC 801-4, IEC 801-5
	Surge Suppression	Conforms to IEEE 587B and ANSI C62.41

ESTIMATED BACKUP TIMES CHART (IN MINUTES)

Load (VA)	UPS T1000 XR			UPS T1500 XR			UPS T2200 XR		
	UPS	UPS+1ERM	UPS+2ERMs	UPS	UPS+1ERM	UPS+2ERMs	UPS	UPS+1ERM	UPS+2ERMs
200	35	160	300	60	230	415	44	197	380
250	31	140	276	54	215	390	42	190	364
300	28	124	255	50	196	360	40.5	183	349
350	24	105	234	46	185	335	39	175	330
400	21	90	212	42	170	310	37.5	165	312
450	17.5	75	194	38	155	284	36	160	300
500	14	60	170	34	140	255	35	154	384
550	13	56	155	30	125	228	32	146	369
600	11	52	138	26	110	200	31	139	350
650	9.5	47	120	22	95	174	29	132	335
700	8	43	104	17	79	146	27.5	124	319
750	6.5	38	88	16.5	75	140	26	116	302
800	6	35	70	16	72	132	24	108	285
850	5.75	32	65	15	69	126	21	102	269
900	5.5	30	62	14	65	120	19.5	93	251
950	5.25	27	58	13	61	114	18	86	238
1000	5	25	55	12	59	108	16	79	220
1200				9	44	81	13	56	170
1400				7	37	69	11	49	136
1500				6.5	33	63	9.5	42	120
1800							6	36	70
2000							5.5	31	61
2200							5	26	55

Note: Backup times are estimated for typical applications. Actual performance will depend on load and battery conditions.

COMPATIBILITY

Compatible with all Compaq computer systems and servers ranging from individual workstations to distributed enterprise and other Compaq equipment (in tower form factor).

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www.microsoft.com/piracy/howtotell

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